

ABSTRACT

A capacitively loaded magnetic dipole is configured with an E-field distribution so that the thickness of the antenna can be reduced while still maintaining high efficiency. The basic antenna element comprises a ground plane; a first conductor extending longitudinally above the ground plane having a first end electrically connected to the ground plane; a second conductor extending longitudinally above the ground plane and parallel to the first conductor, the second conductor also having a first end electrically connected to the ground plane; and an antenna feed coupled to the first conductor. Both of the conductors are spaced equidistantly above the ground plane.

2014-2015-2016-2017